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| **Unit: UBD Photography**  **Grade: 7th Grade Technology** | |
| Stage 1: Desired Results | |
| **Established Goals** | |
| **South Dakota Middle School Technology Education Course Content Standards Covered**  TEMS.4.4 Select and use information and communication technologies.  **Technology Education Standard #17**  Students will develop an understanding of and be able to select and use information and communication technologies. | |
| **Understandings**  Students will understand:   * The Picture Publisher computer program has the ability to capture, manage, correct, enhance, create, and published images. * There are steps to follow when taking pictures. Its not just point and shoot. * There are many different ways to transfer pictures to a computer. | |
| **Essential Questions**   * What is Masking? * How is mask merging used? * What is Chroma mask? * What is a Vignette? * How can Text Mask be converted? * What is the proper way to take a picture? | |
| **Knowledge**  *Students will know…*   * That the mask command can copy images and paste them anywhere on a picture. * The importance of editing pictures. * What the differences are between masking, chroma masking, vignette and text masking. * The difference between incorrectly and correctly taking pictures. | **Skills**  *Students will be able to…*   * Edit pictures with an editing program. * Name the main parts of a digital camera * Transfer pictures from camera into a computer program. * Design and print a calendar with pictures. |

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| **Stage 2: Assessment Evidence** | |
| **Performance Task(s):**   * Students will mask an area of a picture and copy it to the clipboard. * Students will copy a sunset from an image, paste it over an image of the prehistoric Stonehenge monoliths, and merge the mask to make the sunset appear behind Stonehenge. * Students will use the Chroma Mask command to mask the background area surrounding a model and then fill the background area with a texture. * Students will create a vignette around an image of a dog. * Students will create a postcard by protecting a text area and filling the remaining area with black. * Students will complete a 20 point worksheet that covers parts and functions of the Sony Digital Camera. * Students will use the Hallmark Card Studio program to design a calendar to be printed. | **Other evidence:**   * The students accuracy on photo editing assignments. * The students ability level using the digital camera. * Assess understanding through module conversation and questioning. * Instructor observation of students working on task. * Assessment of student work. |

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| **Unit: UBD Measurement**  **Grade: 7th Grade Technology** |
| **Stage 3: Learning Activities** |
| Lesson Planner for 5 to 6 day Photograph Module  **Day 1**  Student(s) will complete Activity one “Masking an Area of an Image”.  Student(s) will start Activity two “Using the Merge Mask”.  **Day 2**  Student(s) will complete Activity two “Using the Merge Mask”.  Student(s) will complete Activity three “Using Chroma Mask”.  **Day 3**  Student(s) will complete Activity four “Creating a Vignette”.  Student(s) will start Activity five “Converting a Text Mask”.  **Day 4**  Student(s) will complete Activity five “Converting a Text Mask”.  Student(s) will start Activity six worksheet.  **Day 5**  Student(s) will complete worksheet.  Student(s) will start activity seven, designing the calendar project.  **Day 6**  Student(s) will complete and print calendar project. |